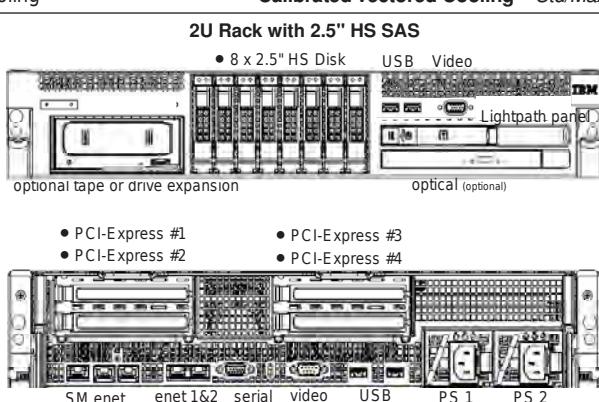


IBM® Type-model	Qty x Processor/Core	L3 cache	Memory	Disk	Disk controller	Optical	Power Supply	Disk bays	Slots x bays	Ethernet	Available date											
7945-A2x	1 x Xeon® E5506 2.13GHz/4C	4MB	1x4GB	2.5"	Open	SAS/SATA	open	1 x 675W	4 hot-swap	4x5	2 x Gb Mar 2010											
7945-B2x	1 x Xeon E5507 2.26GHz/4C	4MB	1x4GB	2.5"	Open	SAS/SATA	open	1 x 675W	8 hot-swap	4x9	2 x Gb Mar 2010											
7945-C2x	1 x Xeon L5630 2.13GHz/4C	12MB	1x4GB	2.5"	Open	SAS/SATA	open	1 x 675W	8 hot-swap	4x9	2 x Gb Mar 2010											
7945-D2x	1 x Xeon E5620 2.40GHz/4C	12MB	1x4GB	2.5"	Open	SAS/SATA	open	1 x 675W	8 hot-swap	4x9	2 x Gb Mar 2010											
7945-F2x	2 x Xeon E5630 2.53GHz/4C	12MB	2x4GB	2.5"	Open	SAS/SATA	open	2 x 675W	8 hot-swap	4x9	2 x Gb Mar 2010											
7945-G2x	1 x Xeon E5640 2.66GHz/4C	12MB	1x4GB	2.5"	Open	SAS/SATA	open	1 x 675W	8 hot-swap	4x9	2 x Gb Mar 2010											
7945-H2x	1 x Xeon L5640 2.26GHz/6C	12MB	1x4GB	2.5"	Open	SAS/SATA	open	1 x 675W	8 hot-swap	4x9	2 x Gb Mar 2010											
7945-J2x	1 x Xeon X5650 2.66GHz/6C	12MB	3x4GB	2.5"	Open	SAS/SATA	open	1 x 675W	8 hot-swap	4x9	2 x Gb Mar 2010											
7945-L2x	1 x Xeon X5660 2.80GHz/6C	12MB	3x4GB	2.5"	Open	SAS/SATA	open	1 x 675W	8 hot-swap	4x9	2 x Gb Mar 2010											
7945-M2x	1 x Xeon X5670 2.93GHz/6C	12MB	3x4GB	2.5"	Open	SAS/SATA	open	1 x 675W	8 hot-swap	4x9	2 x Gb Mar 2010											
7945-N2x	1 x Xeon X5680 3.33GHz/6C	12MB	3x4GB	2.5"	Open	SAS/SATA	open	1 x 675W	8 hot-swap	4x9	2 x Gb Mar 2010											
Positioning Processor(s)	<i>Flagship business critical server to significantly lower Total Cost of Ownership packed with IBM innovation Up to two Next Generation Intel® Xeon processors featuring Quick Path Interconnect(QPI) technology at up to 3.33GHz with up to 12MB L3 / up to 6 Core / with Intel Turbo Boost Technology and Hyper-Threading</i>																					
L3 cache	4 or 12MB std and max / at processor speed																					
SMP	2-way SMP / up to two Xeon Processors (same speed/cache size)																					
Implementation	Systemboard contains two Socket B (LGA1366) sockets, eighteen DIMM slots, four PCI-E slots, integrated SAS, ethernet and graphics controllers																					
Memory	4, 8 or 12GB std / 96GB max per processor(using 16GB DIMMs) / PC3-10600 1333MHz LP 240-pin Registered ECC DDR3 SDRAM DIMMs (or up to 12 DIMMs / 24GB of UDIMM) / eighteen slots on systemboard / nine DIMMs per processor / ChipKill / memory mirroring / Supports two DIMMs per channel at 1333MHz for L5640 and X5600 series processors																					
Disk Controller	IBM ServeRAID BR10i v2 SAS/SATA controller / A2x / on riser card / PCI-Express / supports RAID-0/1/1E / IBM ServeRAID M1015 SAS/SATA controller / B2x, C2x, D2x, H2x, N2x / on riser card / PCI-Express / supports RAID-0/1/10 / IBM ServeRAID M5014 SAS/SATA controller / F2x, G2x / on riser card / PCI-Express / supports RAID-0/1/10/5/50 / IBM ServeRAID M5015 with battery / J2x, L2x, M2x / on riser card / PCI-Express / supports RAID-0/1/10/5/50 / SATA controller for optional optical integrated into ICH10																					
Disk bays	Eight 2.5-inch Small Form Factor (SFF) hot swap disk bays std / optional expansion to sixteen SFF hot swap disk bays / supports SAS, SATA or SSD SFF HS disks , allow mixing different drives																					
Flash Storage	USB-based slot on SAS riser card for optional Hypervisor USB key																					
Tape backup	Optional internal and external / 3.5" / USB or SATA connected via SAS riser card																					
Mechanical Architecture/Chipset	EIA 19" Rack (2U⁴) / rack-mount only / supported in IBM NetBay™ Rack products / no rack to tower conversion Intel 5520 Chipset/IntelIO Hub provides PCI-Express slots and links to BCM5709C enterprise south bridge interface to ICH10 South Bridge / ICH10 South Bridge provides: USB, SATA, PCI-Express links to SAS/SATA controller and LPC bus to VSC452 for video and limited Super I/O																					
BUS slots	(See below) Four second-generation PCI-Express x8 slots / convertible via riser(s) to two PCI-E x16 or four 64-bit 133MHz PCI-X																					
Ethernet	Two Gigabit Ethernet ports / Broadcom® 5709C / two full gigabit ethernet MAC and PHY layer functions / integrated / PCI-Express / full duplex / TCP/IP Offload Engine (TOE) / Wake on LAN® / Serial over LAN / PXE 2.0 / Failover, adapter fault tolerance / Load balancing / upgradeable to four Ethernet ports with additional Broadcom 5709 daughter card																					
Optical / diskette	Optional optical / USB only																					
Front & Rear ports	<i>Front: two USB (Vers 2.0), graphics (DB-15) Rear: two USB (Vers 2.0), serial (9-pin), graphics (DB-15), two ethernet (RJ-45), one RJ-45 (sys mgmt) / no parallel port</i>																					
Graphics	SVGA / Matrox G200eV integrated in IMM on systemboard / 16MB DDR2-250MHz SDRAM std/max																					
Systems Mgmt	Integrated Management Module (IMM) / VSC452 / WPCT201BA0WG / integrated / provides system and environmental monitoring, event recording, alert capability / TPM 1.2 / ASR / SOL / IPMI 2.0 / SMASH /upgradeable to Remote Presence, blue screen capture via optional IBM Virtual Media Key																					
Diagnostics Security	Light Path Diagnostics™ (LED lights indicate failing component) and on-board diagnostics Power-on password / administrator password / unattended boot / selectable boot / unattended start mode																					
Publications	Installation Guide and Documentation CD None standard (because rack-based) / USB only																					
Keyboard / mouse																						
Power supply(s)	Std/Max: one/two 675 watt hot-swap / rear access / auto restart / redundant with two power supplies / auto-sensing																					
Cooling	Calibrated Vectored Cooling™ Std/Max: three / hot-swap																					
2U Rack with 2.5" HS SAS 																						
Max internal disk capacity: 2.5: SAS models: 4TB ² with eight 500GB SFF disks(std) 2.5: SAS models: 8TB ² with sixteen 500GB SFF disks(opt)																						
LIMITED WARRANTY³ <ul style="list-style-type: none"> 3 year parts and labor International Warranty Service³ On site, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time⁷ 3 year on site warranty service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> 9 hr coverage, Mon-Fri excluding holidays, 4 hr response time (ServicePac® 21P2077) 24 hr x 7 day coverage, 4 hour average response time (ServicePac 21P2078) 24 hr x 7 day coverage, 2 hour average response time (ServicePac 21P293) Other ServicePac options at http://www.ibm.com/services/us/its/pdf/wamomxeu.pdf 24x7¹⁴ toll-free support for warranty issues during the warranty period³ 																						